

IMPACTS FOR D7 (through next 5 days)

Winds – High

Storm Surge – Medium

Rainfall/Flash Flooding – Extreme

Tornadoes – Low

Waves - High

**Hurricane Nico
BRIEFING
Wed July 19, 2023 – 4pm EDT**



Prepared by:

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NWS National Hurricane Center*



Situation Overview

****EXERCISE****

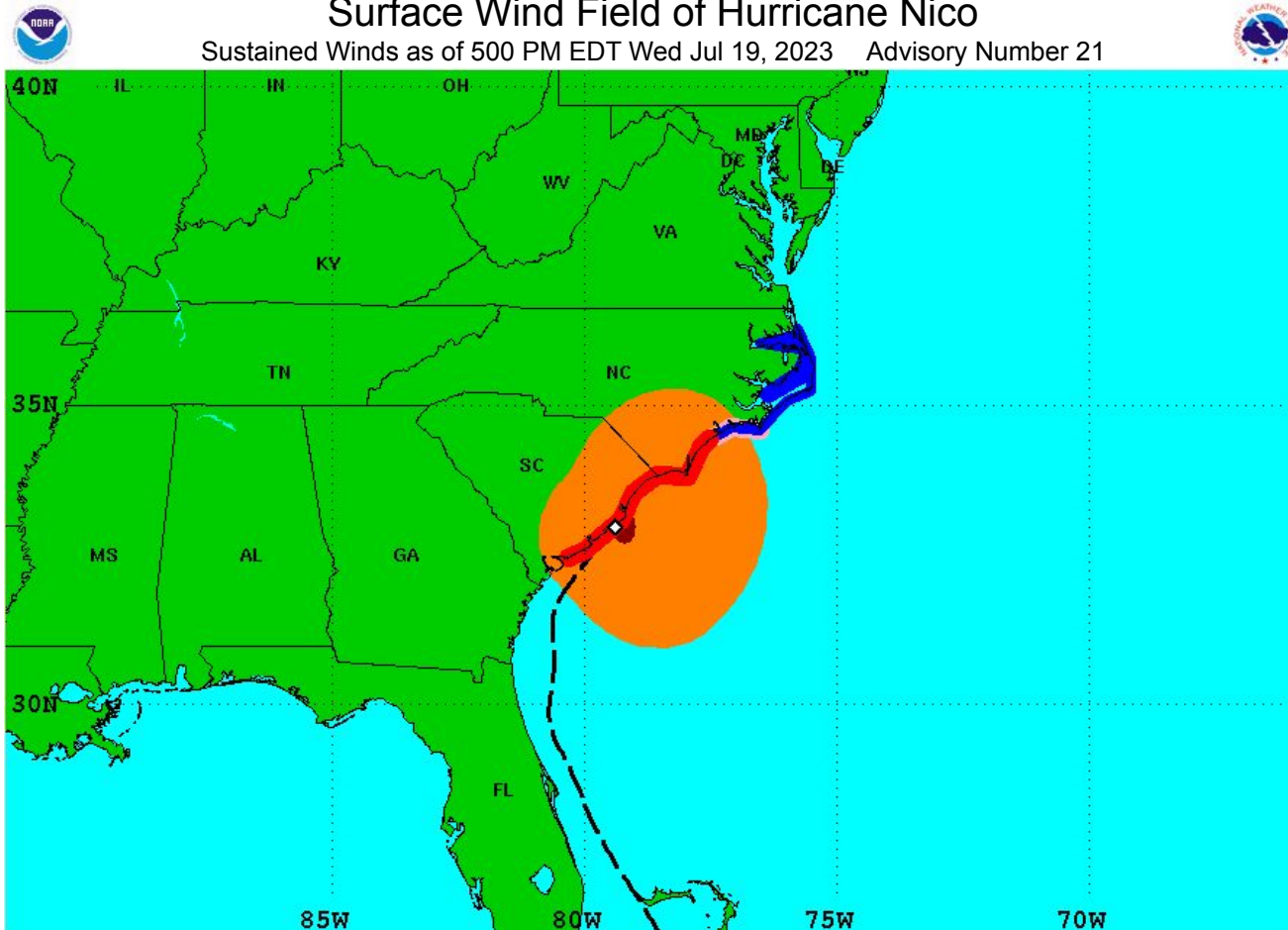


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Hurricane Nico

Surface Wind Field of Hurricane Nico

Sustained Winds as of 500 PM EDT Wed Jul 19, 2023 Advisory Number 21



...Hurricane Nico makes landfall southeast of McClellanville South Carolina...

Summary of 500 PM EDT Information

Location...33.0N 79.4W

About 55 nm SSW of Myrtle Beach, SC

About 100 nm SW of Cape Fear, NC

Maximum Sustained Winds...65 kt

Present Movement...NE at 10 kt

Size

34 kt...160 NE 140 SE 80 SW 70 NW

Seas to 30 ft

- | | | | |
|----------------------|------------------------|-------------------------|-------------------------|
| Watches: | Warnings: | Sustained Winds: | Position: |
| Hurricane Watch | Hurricane Warning | Hurricane Force | Center as of 500 PM EDT |
| Tropical Storm Watch | Tropical Storm Warning | Tropical Storm Force | Past Track |

****EXERCISE****

****EXERCISE****

Forecast Information

****EXERCISE****



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Hurricane Nico

Note: The cone contains the probable path of the storm center but does not show the size of the storm. Hazardous conditions can occur outside of the cone.



- **Nico has become embedded in the mid-latitude westerly flow and is accelerating to the NE**
- **As Nico transitions to an extratropical cyclone, the intensity will stabilize as the wind field grows**
- **A hurricane warning is in effect for the SE US north of Altamaha Sound to Surf City**

- Current center forecast positions through the next 5 days illustrated by dots
- White swath is potential track error through day 3
- Hatched swath is potential track error on days 4-5

* Swaths are designed so the actual track will occur inside the cone two-thirds of the time. One-third of the time, the center will track outside the cone.

Hurricane Nico Wednesday July 19, 2023 5 PM EDT Advisory 21 NWS National Hurricane Center	Current information Center location 33.0 N 79.4 W Maximum sustained wind 75 mph Movement NE at 12 mph	Forecast Positions: ● Tropical Cyclone ○ Post-Tropical Sustained Winds: D < 39 mph S 39-73 mph H 74-110 mph M > 110mph
Potential Track Area: Day 1-3	Watches: Hurricane Trop.Storm	Warnings: Hurricane Trop.Storm

NOTE: Do not focus on the exact track. Impacts can occur well outside the area enclosed by the cone.

T.S. Wind Speed Probabilities

****EXERCISE****

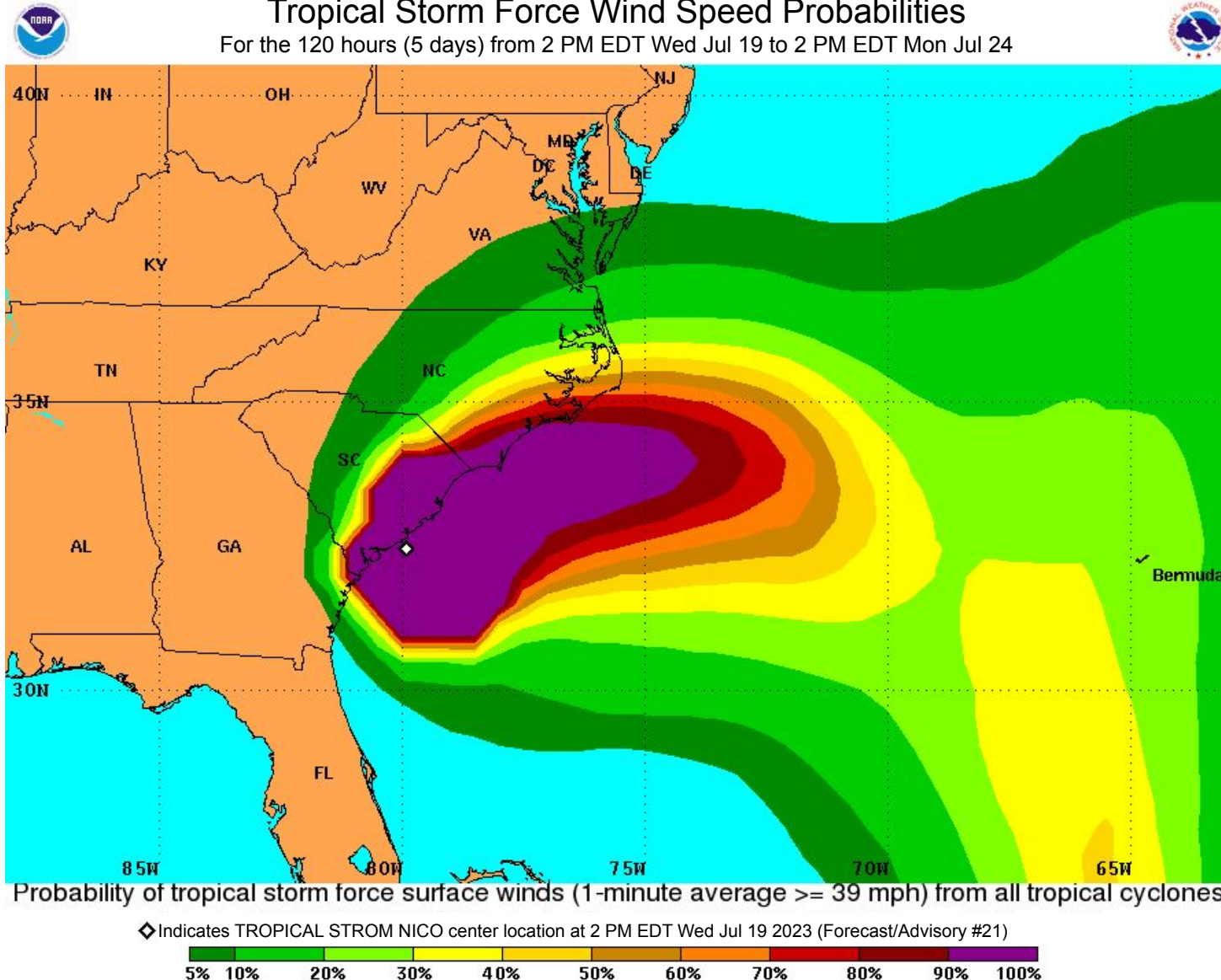


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Hurricane Nico

Tropical Storm Force Wind Speed Probabilities

For the 120 hours (5 days) from 2 PM EDT Wed Jul 19 to 2 PM EDT Mon Jul 24



- Jacksonville, FL 5% (-95%)
- Charleston, SC 100% ($\pm 0\%$)

- Probabilities of sustained tropical storm force winds (>34 kt) over the next 5 days, based off this cyclone's wind radii and track.

****EXERCISE****

****EXERCISE****

Hurricane Wind Speed Probabilities ****EXERCISE****

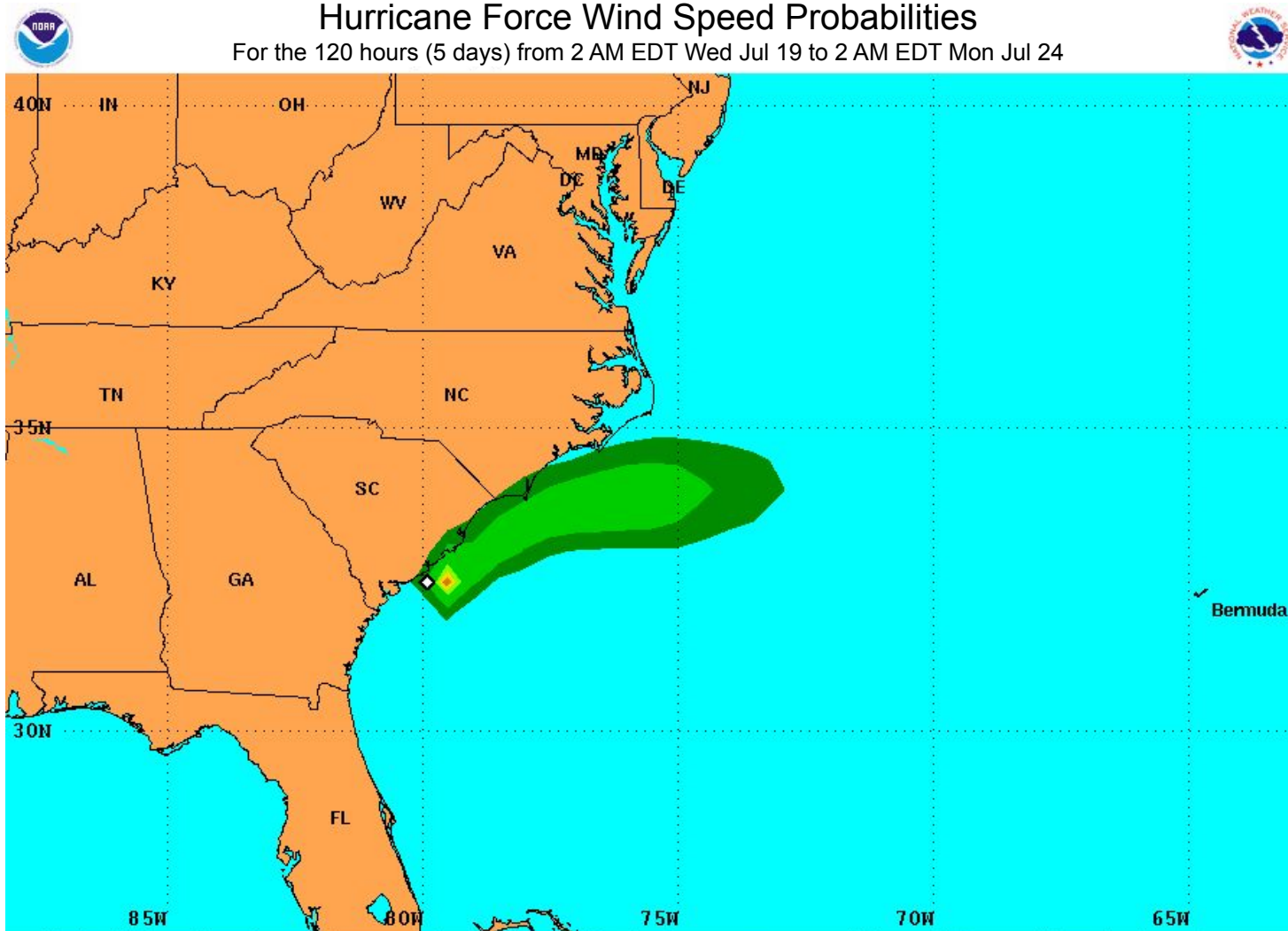


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Hurricane Nico

Hurricane Force Wind Speed Probabilities

For the 120 hours (5 days) from 2 AM EDT Wed Jul 19 to 2 AM EDT Mon Jul 24



Probability of hurricane force surface winds (1-minute average ≥ 74 mph) from all tropical cyclones

◆ Indicates TROPICAL STORM NICO center location at 2 PM EDT Wed Jul 19 2023 (Forecast/Advisory #21)

5% 10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

- Jacksonville, FL 0% ($\pm 0\%$)
- Charleston, SC 0% (-50%)

- Probabilities of sustained tropical storm force winds (>34 kt) over the next 5 days, based off this cyclone's wind radii and track.

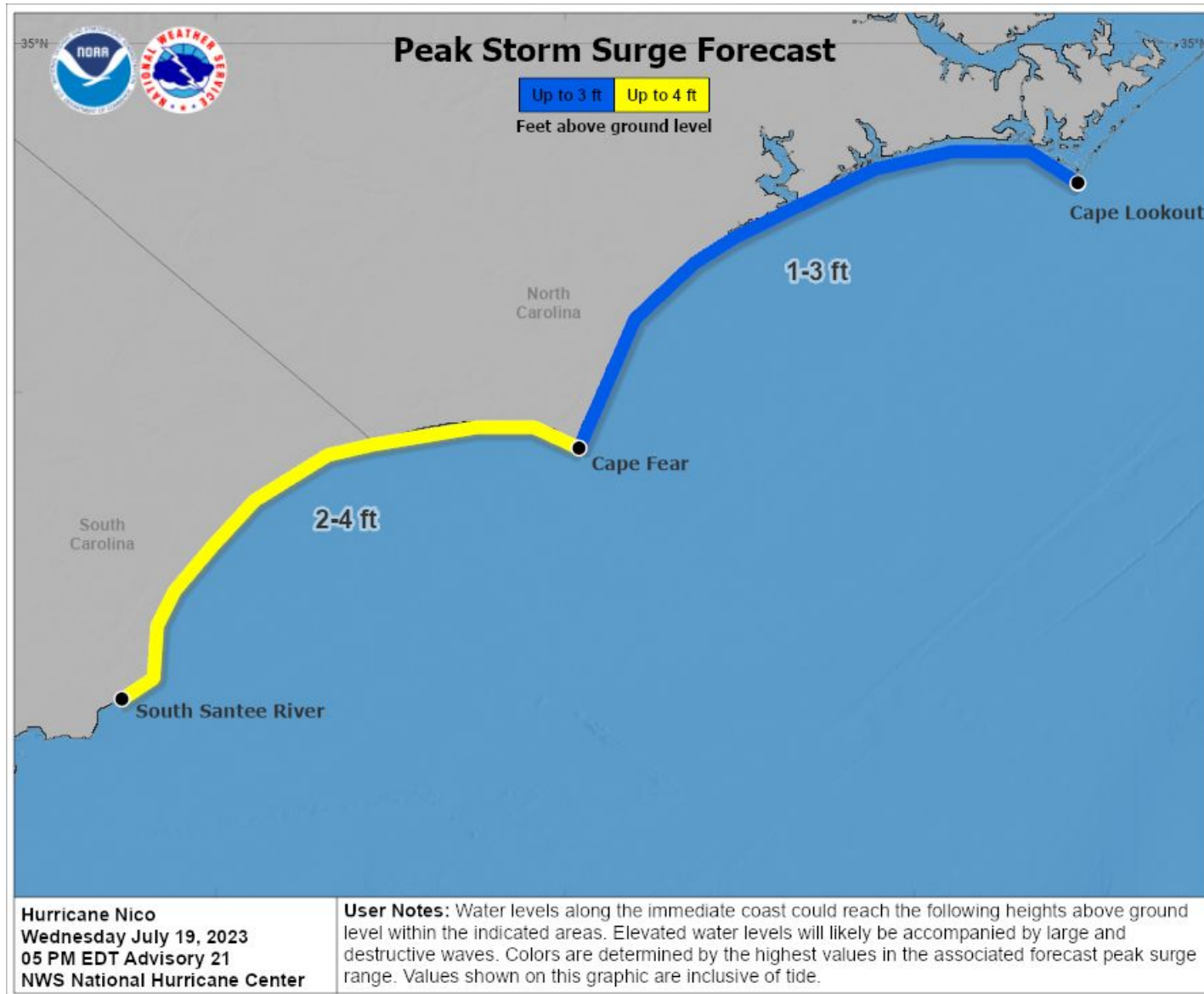
Storm Surge

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Tropical Storm Nico



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www.nhc.noaa.gov

****EXERCISE****

Expected Storm Total Rainfall and Chance of Rainfall Flooding

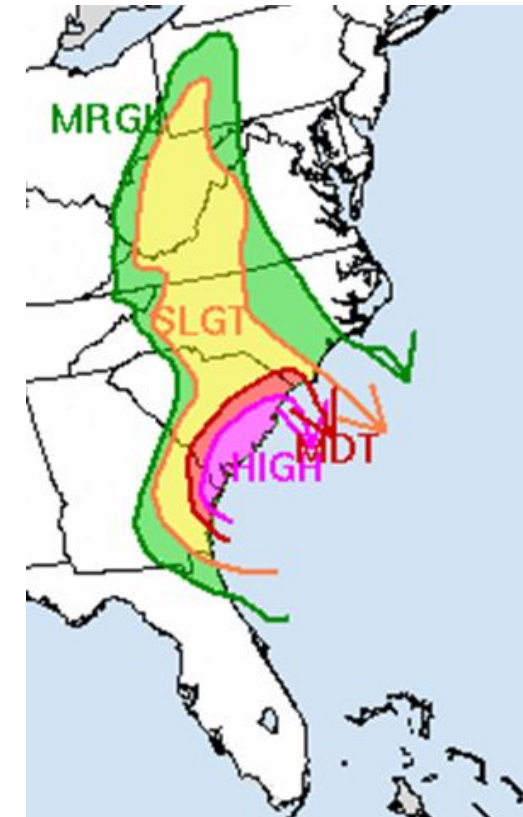
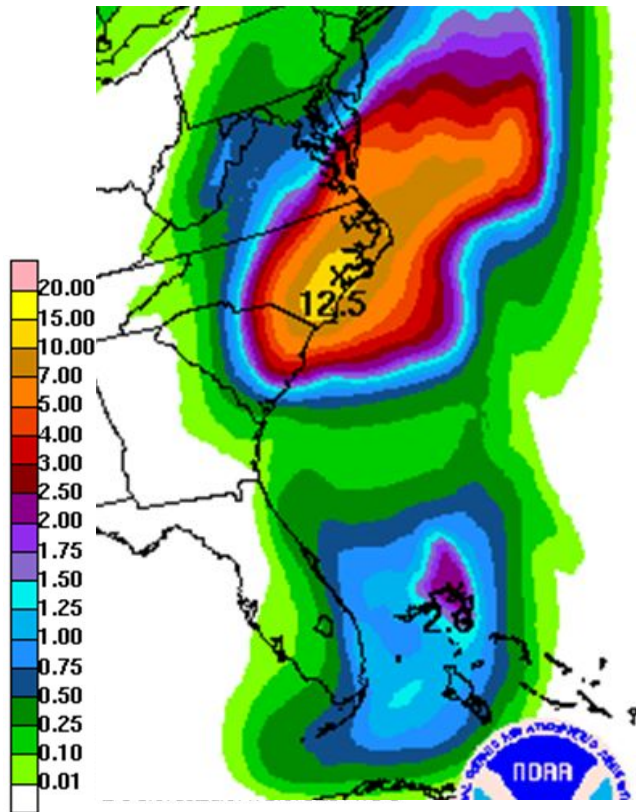
Weather Prediction Center

****EXERCISE****



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NWS National Hurricane Center

Hurricane Nico



Risk of rainfall exceeding flash flood guidance to the right of a line

HIGH: > 15% **SLGT: 5%-10%**
MDT: 10%-15% **MRGL: 2%-5%**

Major rainfall expected for coastal North Carolina and South Carolina. This rainfall may result in life-threatening flooding and flash flooding.

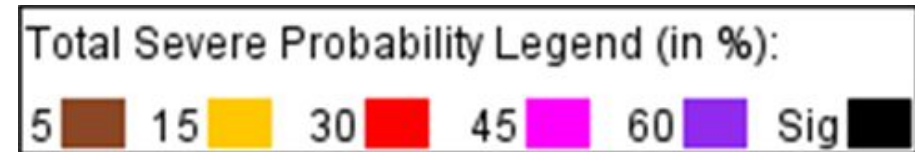
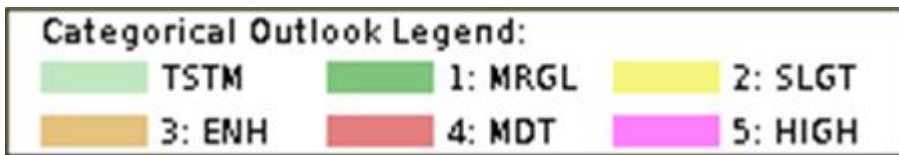
****EXERCISE****

www.nhc.noaa.gov

****EXERCISE****



Hurricane Lisa



Day 1
(Through tonight)

Marine Key Messages

****EXERCISE****



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Hurricane Nico

- Seas will continue to improve off the Georgia and low country of South Carolina
- Seas will continue to be near **30 ft** in the SW Atlantic with dangerous surf conditions for portions of the South Carolina and North Carolina coasts

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